

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application and in the International Preliminary Examination Report:

1. (currently amended) Circuit arrangement having a mains connection (NA), a mains switch (S1) with a first and a second switching contact (1, 2), a demagnetization coil (ES) and a switch-mode power supply (T) comprising
a driver circuit (DC), a transformer (TR) with a primary winding (W1) and an auxiliary winding (W2) for providing a supply voltage (VCC) for the driver circuit (DC), a switching transistor (T1) in series with the primary winding (W1), the driver circuit (DC) producing a control voltage (DS) for the switching transistor (T1), a rectifier means (BR) for rectifying a mains voltage, and an energy-storage capacitor (C1) coupled between the rectifier means (BR) and the primary winding (W1),
the circuit arrangement comprising further a power factor coil (NS) for power factor correction, which is arranged between the mains connection (NA) and said energy-storage capacitor (C1), ~~characterized in that~~ wherein
the first switching contact (1) is arranged between the mains connection (NA) and the demagnetization coil (ES) for switching the demagnetization coil (ES) on and off, and
the second switching contact (2) is arranged between the auxiliary winding (W2) and the driver circuit (DC) for switching off the supply voltage (VCC), or is arranged for switching off a control voltage for the driver circuit (DC) in order to switch off the switching transistor (T1).
2. (currently amended) The circuit arrangement as claimed in claim 1, ~~characterized in that~~ wherein a diode (D1) and a second capacitor (C2) are coupled to a connection (A) of the auxiliary winding (W2) in order to rectify and smooth said supply voltage (VCC), and in that the second switching contact (2) is arranged between the second capacitor (C2) and the driver circuit (DC).

3. (currently amended) The circuit arrangement as claimed in claim 1 ~~or 2~~, ~~characterized in that~~ wherein the power factor coil (~~NS~~) is arranged upstream of the rectifier means (~~BR~~).

4. (currently amended) The circuit arrangement as claimed in ~~one of the preceding claims 1—3~~, ~~characterized in that claim 1~~, wherein the circuit arrangement comprises further a mains filter (~~NF~~), a first parallel capacitor (~~C4~~) between the mains filter (~~NF~~) and the mains connection (~~NA~~) and a second parallel capacitor (~~C3~~) between the mains filter (~~NF~~) and the rectifier means (~~BR~~), that the demagnetization coil (~~ES~~) is arranged in parallel to the second parallel capacitor (~~C3~~) and in parallel to the rectifier means (~~BR~~), and that the connections (a, b) of the first switching contact (~~1~~) are connected in series between the second parallel capacitor (~~C3~~) and the demagnetization coil (~~ES~~) for switching the demagnetization coil (~~ES~~) on and off.

5. (currently amended) The circuit arrangement as claimed in claim 4, ~~characterized in that~~ wherein a posistor (~~PS~~) is arranged in series between the first switching contact (~~1~~) and the demagnetization coil (~~ES~~).

6. (currently amended) Circuit arrangement having a mains connection (~~NA~~), a user accessible mains switch (~~S1~~) with a first and a second mechanical switching contact (~~1, 2~~), a demagnetization coil (~~ES~~) and a switch-mode power supply (~~H~~) comprising a driver circuit (~~DC~~), a transformer (~~TR~~) with a primary winding (~~W1~~) and an auxiliary winding (~~W2~~) for providing a supply voltage (~~VCC~~) for the driver circuit (~~DC~~), and a switching transistor (~~T1~~) in series with the primary winding (~~W1~~), the driver circuit (~~DC~~) producing a control voltage (~~DS~~) for the switching transistor (~~T1~~), ~~characterized in that~~ wherein

the first switching contact (~~1~~) is arranged between the mains connection (~~NA~~) and the demagnetization coil (~~ES~~) for switching the demagnetization coil (~~ES~~) on and off, and

the second switching contact (~~2~~) is arranged between the auxiliary winding (~~W2~~) and the driver circuit (~~DC~~) for switching off the supply voltage (~~VCC~~), or is arranged for switching off a control voltage for the driver circuit (~~DC~~) in order to switch off the switching transistor (~~T1~~).

7. (currently amended) Appliance, having a circuit arrangement in accordance with ~~one of the preceding claims~~ claim 1.

8. (currently amended) The appliance as claimed in claim 7, ~~characterized in that~~ wherein the appliance comprises a picture tube, on which the demagnetization coil ~~(ES)~~ is mounted.